

All In One Heat Pump



Overview

HiCOP Domestic Heat Pump water heater with a COP which is 4 times higher than that of the water heater, this series of water heater is an environmentally friendly and new designed product special for providing domestic hot water.

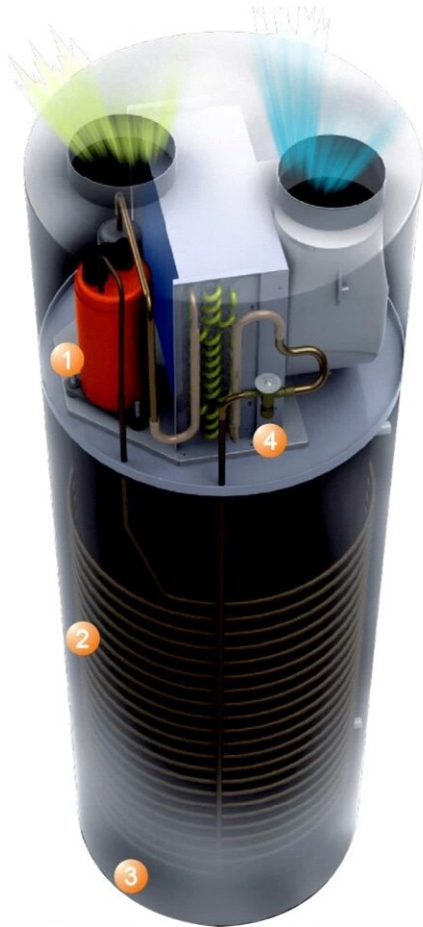
Enameled water storage tank used as the inner container of the water heater prevents corrosion and brings better quality water to the user, the coil which is fixed outside the water tank also avoids being corroded and its service life will be increased.



Features

- 1. High COP of 4.0**
Apply compressors special for heat pump and acquire the COP of 4.0.
- 2. Long Service Life**
Coil which is around the unit avoids direct contact with the water and corrosion caused by negative ion, thus the service life would be prolonged.
- 3. Excellent Inner Container**
Apply enameled water storage tank with high hardness, high temperature and high pressure resistance as the inner container which makes the water in the unit healthier and safer for use.
- 4. Thermostatic Expansion Valve**
Applying thermostatic expansion valve as the throttling set makes the unit more adjustable in wide working temperature range and operate more stably and efficient.
- 5. Environmentally Friendly Refrigerant**
R134a used as the refrigerant in the unit is pollution-free and with good heating performance.
- 6. Good Looking Screen**
The screen with elegant looking can be set to orange or blue background.
- 7. Wireless Control - iPhone**
Cell phone can be used as a controller if there is a relative application installed in it. the most fashionable Wi-Fi technology applied in the unit ensures you to check and set the unit whenever and wherever you want.
- 8. Intelligent Defrosting**
Using electromagnetic valve for defrosting makes the least heat loss of the unit as there is no fluctuation in water temperature and this also ensures excellent performance of the unit.
- 9. P&T Relief Valve**
Apply P&T relief valve, which will automatically switch on or off depending on the pressure or temperature in the tank, to ensure the safety of the unit.

Components



	Special Compressor for Heat Pump		Environmentally Friendly Refrigerant
	Coil around Heat Exchanger		Electromagnetic Valve
	Enamel Inner Container		P&T Relief Valve
	Thermostatic Expansion Valve		Touch Screen Controller
	Wireless Control (optional)		Micro Channel (optional)

Model		AI-80	AI-100	AI-200	AI-300	AO-270	AIM-300
Heating Capacity	kW	1	1	1.8	1.8	3.4	3.5
Water Tank Capacity	L	80	100	200	300	270	300
Power Input	kW	0.27	0.27	0.46	0.46	0.94	0.89
Running Current	A	1.2		2.0		3,97	4.0
Power Supply		220V~/50Hz					
Compressor		Rotary					
Rated Outlet Water Temp	°C	55					
Air Volume	m³/h	220		350		450	
Air Pressure	Pa	30		40			
Duct Diameter	mm		150			-	150
Noise	dB(A)		45			52	45
Water Inlet / Outlet Size	Inch	1/2		3/4			
*Auxiliary E-Heater	kW		1,5				3,0
Net Dimensions	mm	520x1215	520x1340	560x1732	640x1880	640 x 1955	640 x 1960,5
Shipping Dimensions	mm	710x640x1400	710x640x1525	720x720x1930	720x720x1990	720 / 760 / 2040	720 / 720 / 2195
Net Weight	kg	69	73	112	129	120	121
Air Flow Volume	m³/h	240	240	350	350	450	450
Max Power Input	kW	1,8	1,8	2,05	2,05	3,1	2,57
Max Current Input	A	8,2	8,2	8,92	8,92	12	11,67
Body Material		Galvanized Steel+Enamel					
Nozzel	inch	1/2		3/4			

Measurement conditions :

Instant heating : Ambient temperature 15°C/13°C, Water inlet 15°C, Water Outlet 45°C

Work range : (1) Ambient temperature is-7-40 °C (2) The max temperature of water tank is 60°C

Operating parameters : The range of the operating water temperatures :

9~60°C The range of the operating water pressures : 0.15 ~ 0.7 MPa

Note : HiCOP reserves the right to discontinue, or change at anytime, specifications or designs without notices and without incurring obligations.